

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2004/000171

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F16L 11/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F16L, D07B, F21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9957413 A1 (KVAERNER OILFIELD PRODUCTS AS), 11 November 1999 (11.11.1999), abstract --	1-4
A	US 20030103811 A1 (T. GRIMSETH), 5 June 2003 (05.06.2003), abstract --	1-4
A	US 6046404 A (A. FIGENSCHOU ET AL), 4 April 2000 (04.04.2000), abstract -- -----	1-4

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier application or patent but published on or after the international filing date
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O"	document referring to an oral disclosure, use, exhibition or other means
"P"	document published prior to the international filing date but later than the priority date claimed
"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X"	document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y"	document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&"	document member of the same patent family

Date of the actual completion of the international search

7 October 2004

Date of mailing of the international search report

08-10-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. + 46 8 666 02 86

Authorized officer

Jenny Petersson / MRO
Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORT

Information on patent family members

03/09/2004

International application No.

PCT/NO 2004/000171

WO	9957413	A1	11/11/1999	AU	3854399 A	23/11/1999
				BR	9909671 A	19/12/2000
				GB	0025350 D	00/00/0000
				GB	2353309 A,B	21/02/2001
				NO	311988 B	25/02/2002
				NO	981701 D	00/00/0000
				NO	20005116 A	11/10/2000
				US	6612370 B	02/09/2003
US	20030103811	A1	05/06/2003	AU	5894901 A	20/11/2001
				EP	1409908 A	21/04/2004
				NO	20002382 D	00/00/0000
				WO	0186183 A	15/11/2001
US	6046404	A	04/04/2000	BR	9801487 A	03/11/1999
				BR	9801488 A	28/03/2000
				GB	2326177 A,B	16/12/1998
				GB	2326758 A,B	30/12/1998
				GB	9809223 D	00/00/0000
				GB	9809225 D	00/00/0000
				NO	310890 B	10/09/2001
				NO	311054 B	01/10/2001
				NO	971984 A	30/10/1998
				NO	981163 A	30/10/1998
				US	6146052 A	14/11/2000